



Atlanta Ozone SIP Lessons Learned

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Who we are



- Largest subsidiary of Southern Company, one of nation's largest generating companies
- 39,000 Megawatts Capacity
- 165 Billion kWh
- \$1.3 Billion Net Income

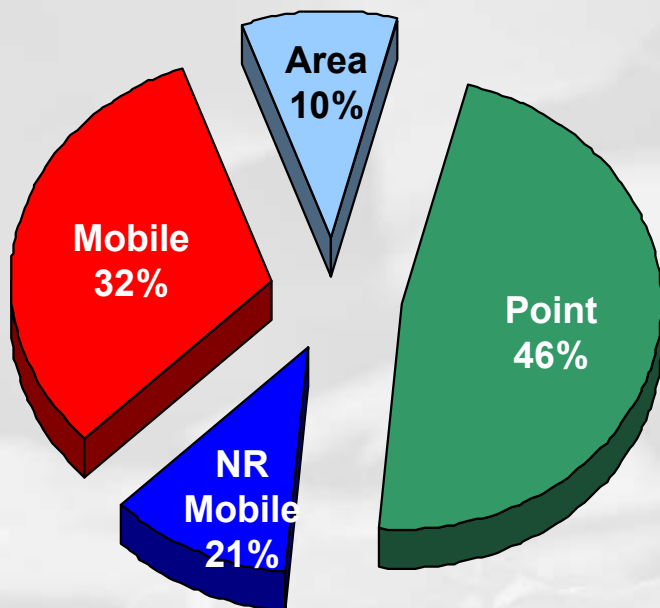


Key Lessons

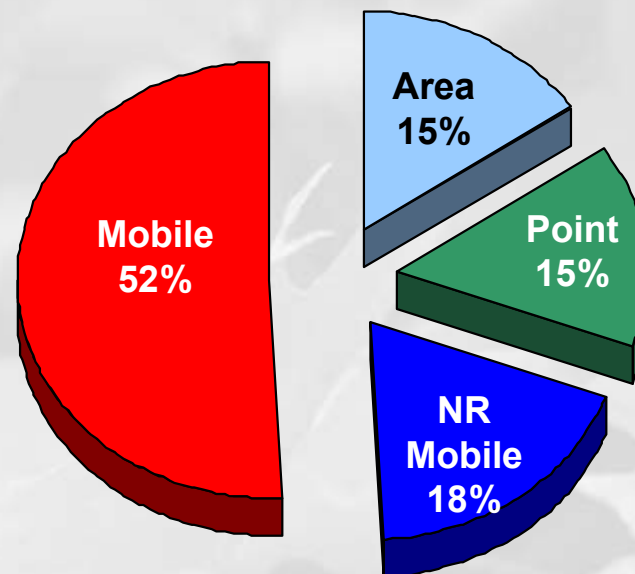
- Involve all Affected Parties
- Understand the Problem
- Educate on the Issues
- Identify potential solutions
- Assess the cost versus desired benefits
- Implement solutions that address the problem



2003
45 County Area
Before SIP Controls



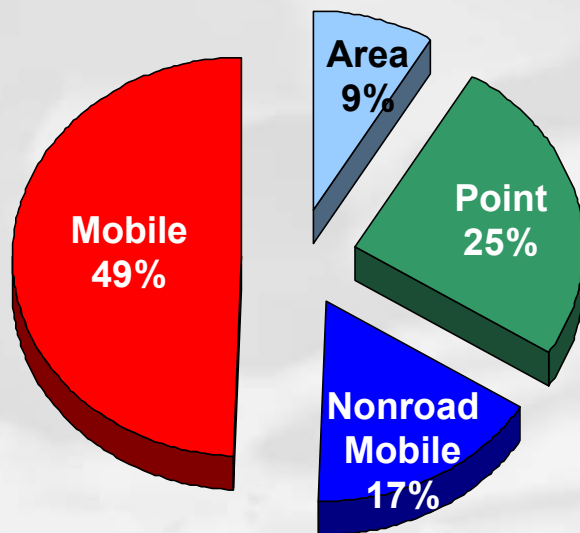
NOx Inventory



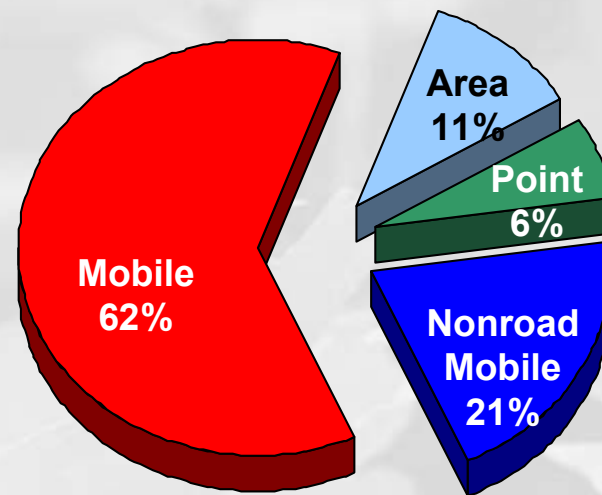
**“Ozone Equivalent”
NOx Inventory**

NOx emissions from powerplant stacks in the Atlanta area are 5 to 10 times less likely to form ozone as ground level emissions from mobile sources in the nonattainment area. The “Ozone Equivalent” chart represents the mix of sources when this factor is used to estimate the NOx impact of point sources for the 45 county area.

2003
45 County Area
After SIP Controls



NOx Inventory

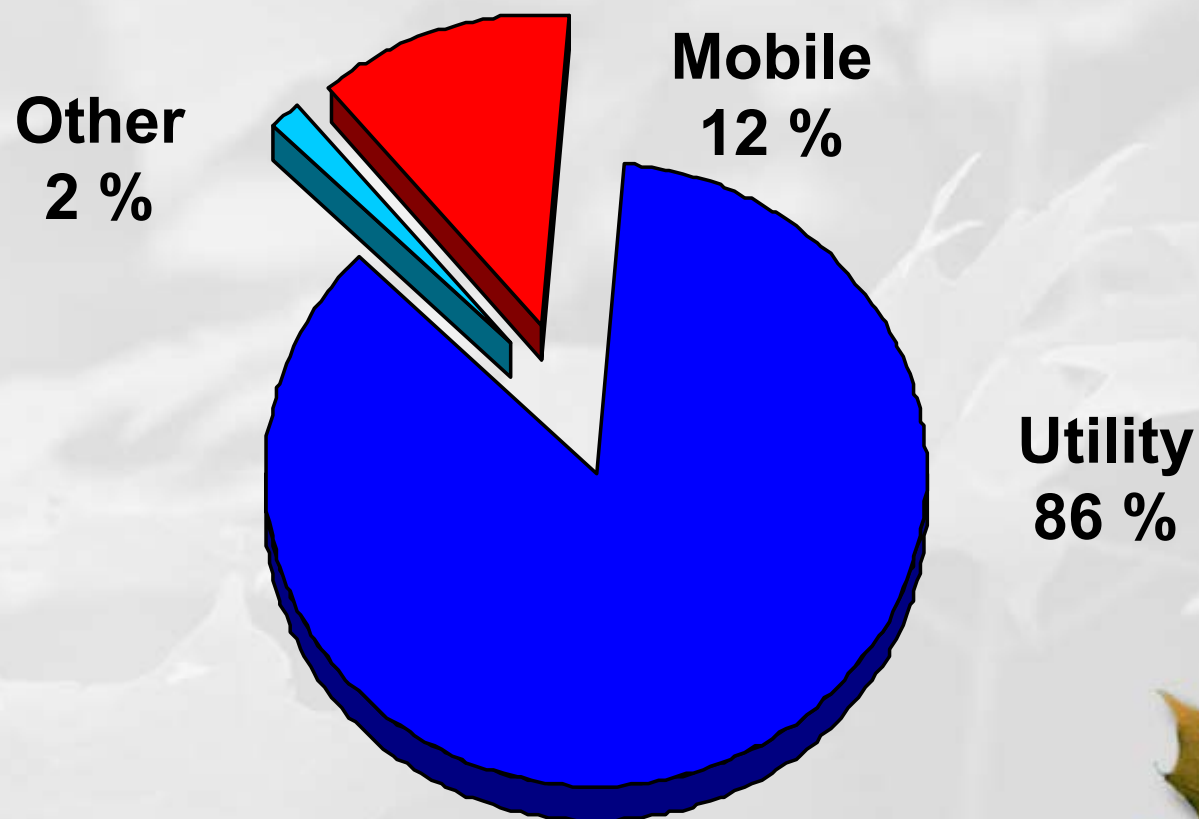


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NOx Reductions Atlanta SIP*



* Approved by DNR Board Jan 26, 2000

Hammond
Units 1 - 3
- Combustion Controls
Unit 4
- SCR

Approved by DNR Board January 26, 2000

Bowen
Units 1 - 4
- SCR

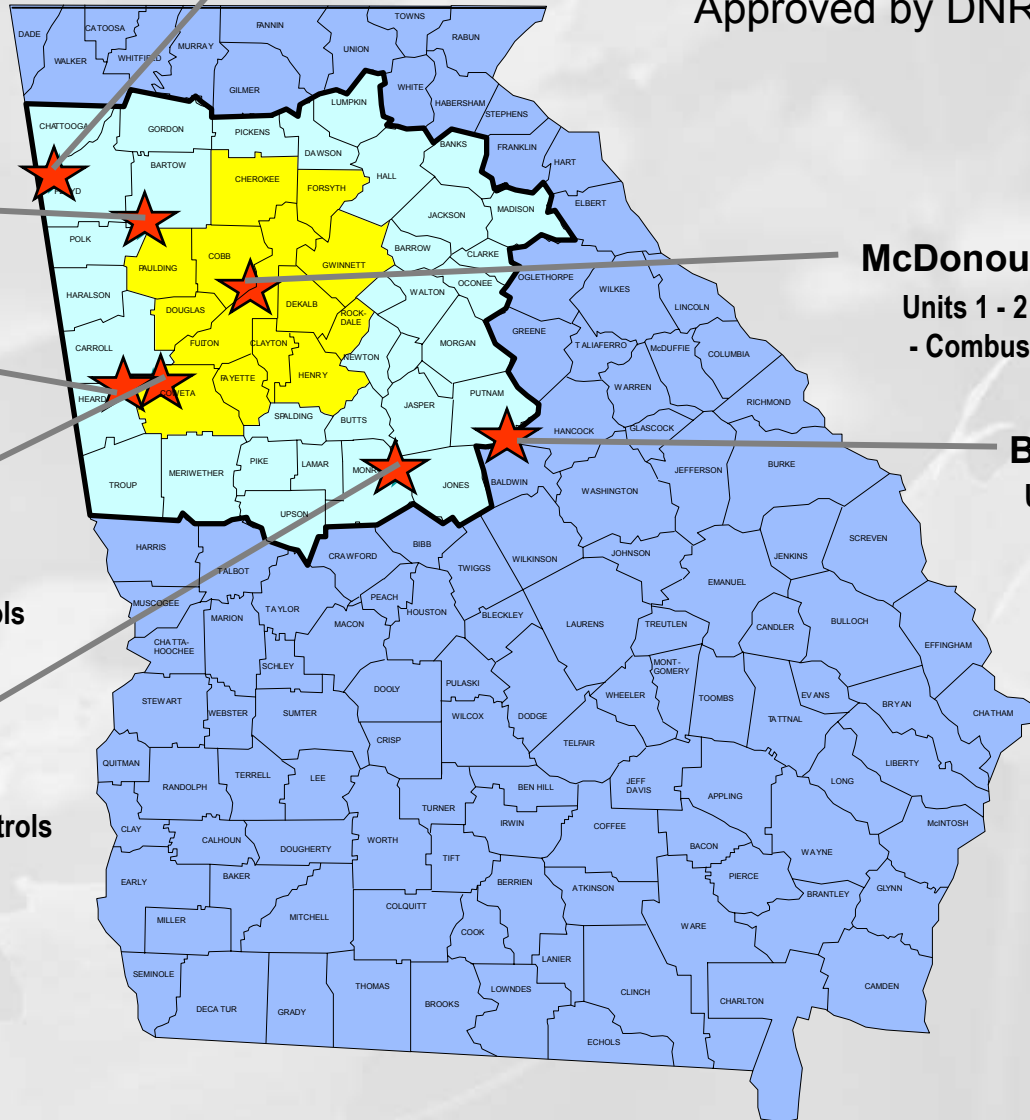
McDonough
Units 1 - 2
- Combustion Controls

Wansley
Units 1 - 2
- SCR

Branch
Units 1 - 4
- Combustion Controls

Yates
Units 1 - 7
- Combustion Controls

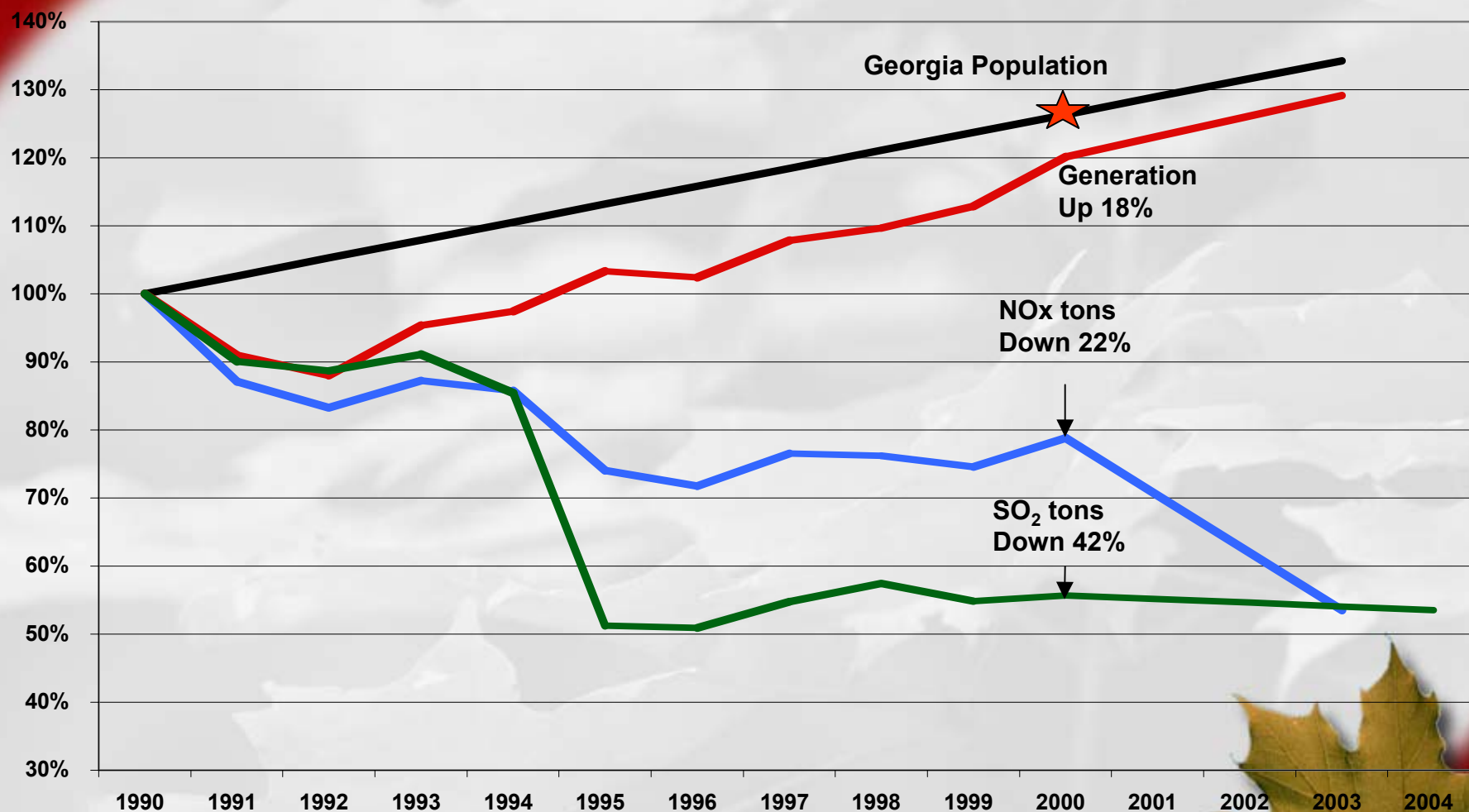
Scherer
Units 1 - 4
- Combustion Controls



**\$850
Millio
n**



What about our emissions?

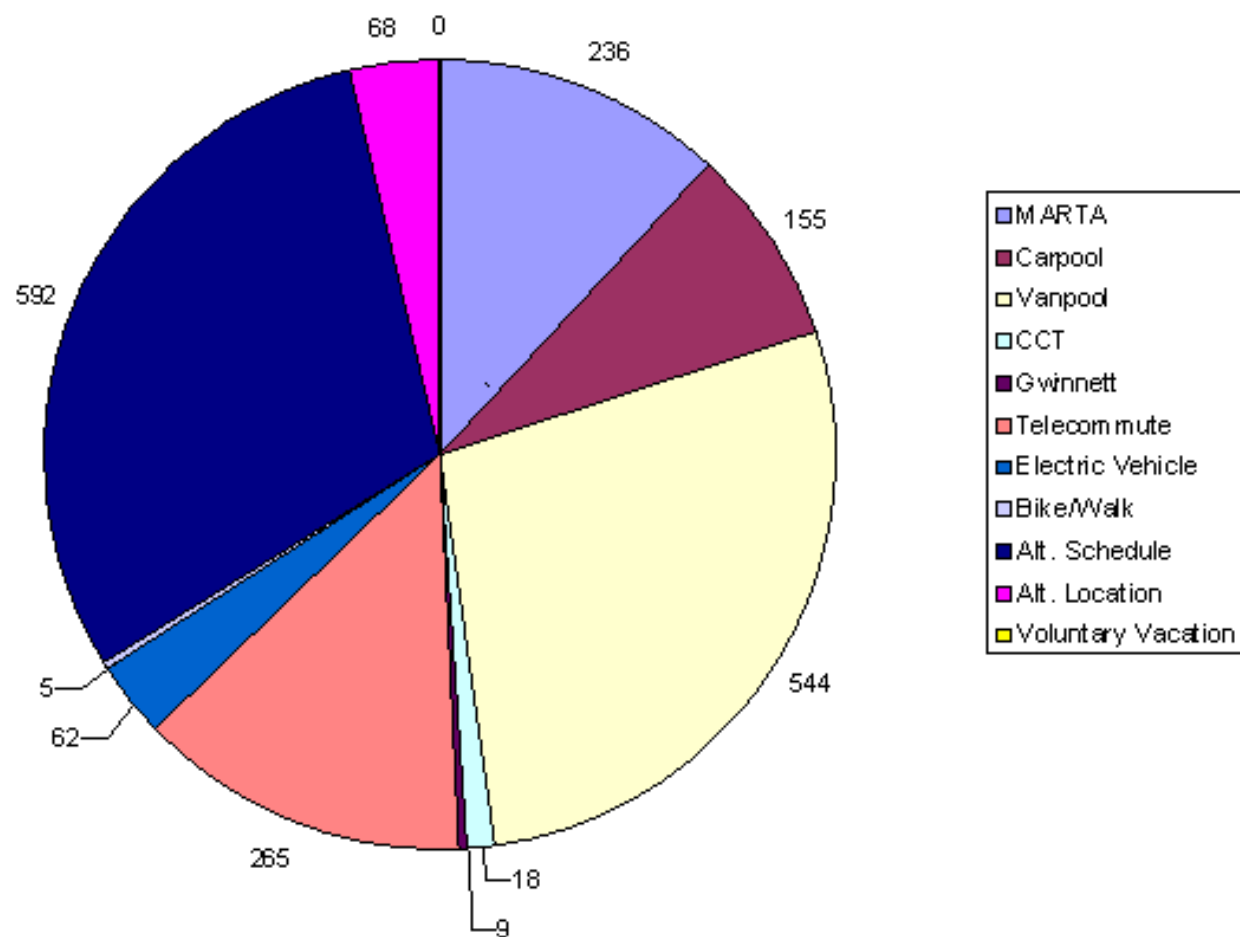


Other Things We Are Doing to Solve the Problem

- Smart-Ride
- Telecommuting
- Electric Transportation
- Clean Air Campaign

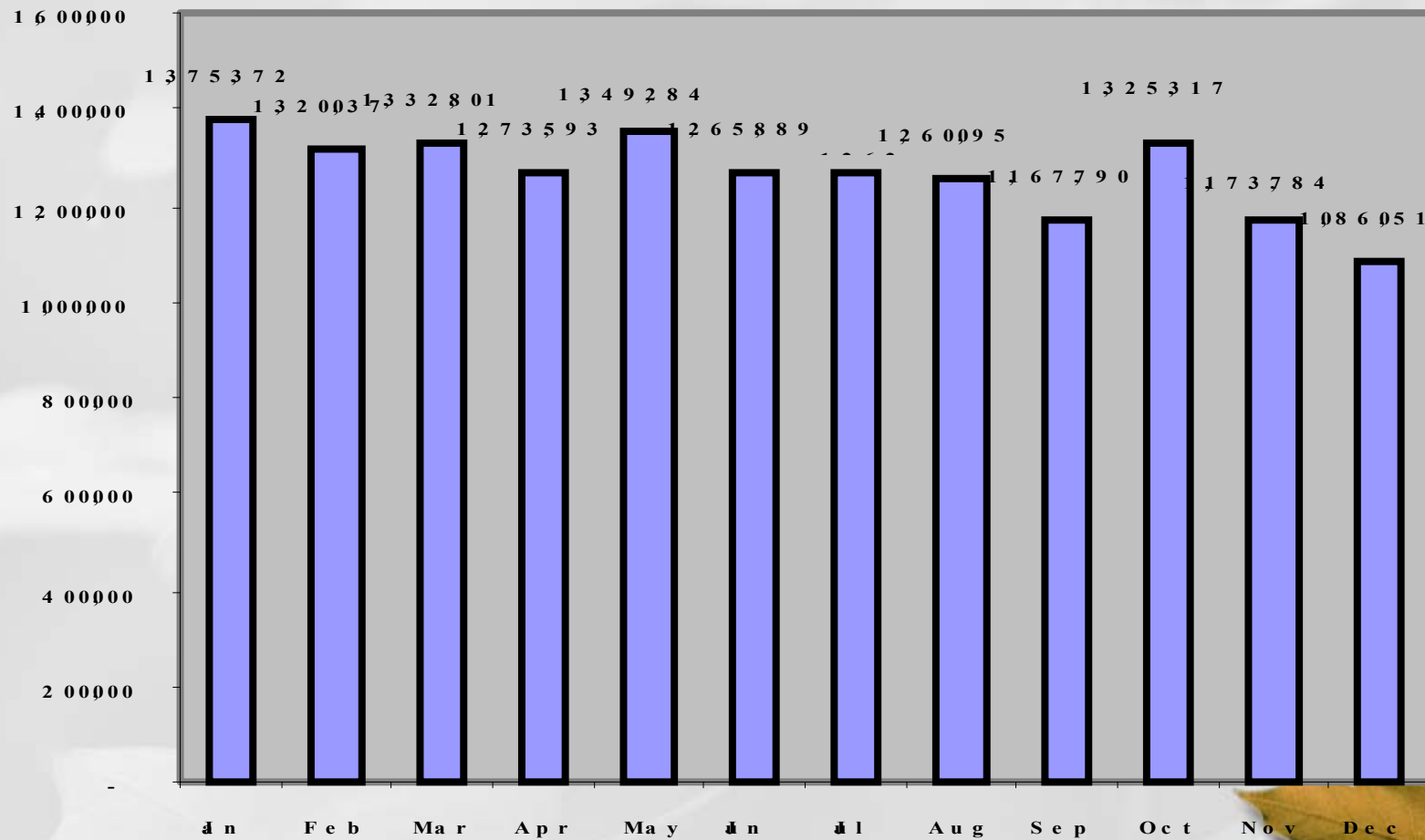


OCTOBER 2002
1,954 TOTAL
1,694 PARTICIPANTS



MILES REDUCED - 2002

Total - 15,192,397



SUGGESTED STRATEGY FOR IMPROVING AIR QUALITY

- Assess the problem
- Identify source(s) of the problem
- Identify potential solutions
- Assess the cost versus desired benefits
- Implement solutions that address the problem

PM2.5

Hg

Haze

O₃

Maxim: There are no easy solutions. An easy target is not necessarily an effective solution.

